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Earthquake Shaking 🟡 **Yellow Alert**
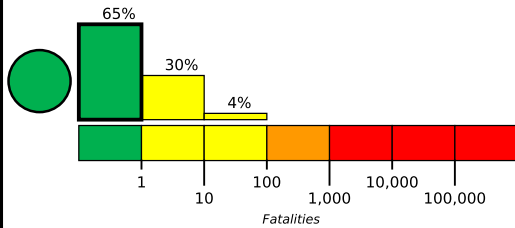
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ANSS

M 6.4, 12km SW of Searles Valley, CA

PAGER Version 5

Origin Time: 2019-07-04 17:33:49 UTC (Thu 10:33:49 local)
Location: 35.7052° N 117.5060° W Depth: 10.7 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov
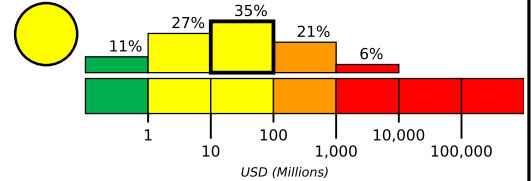
Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of the United States. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.
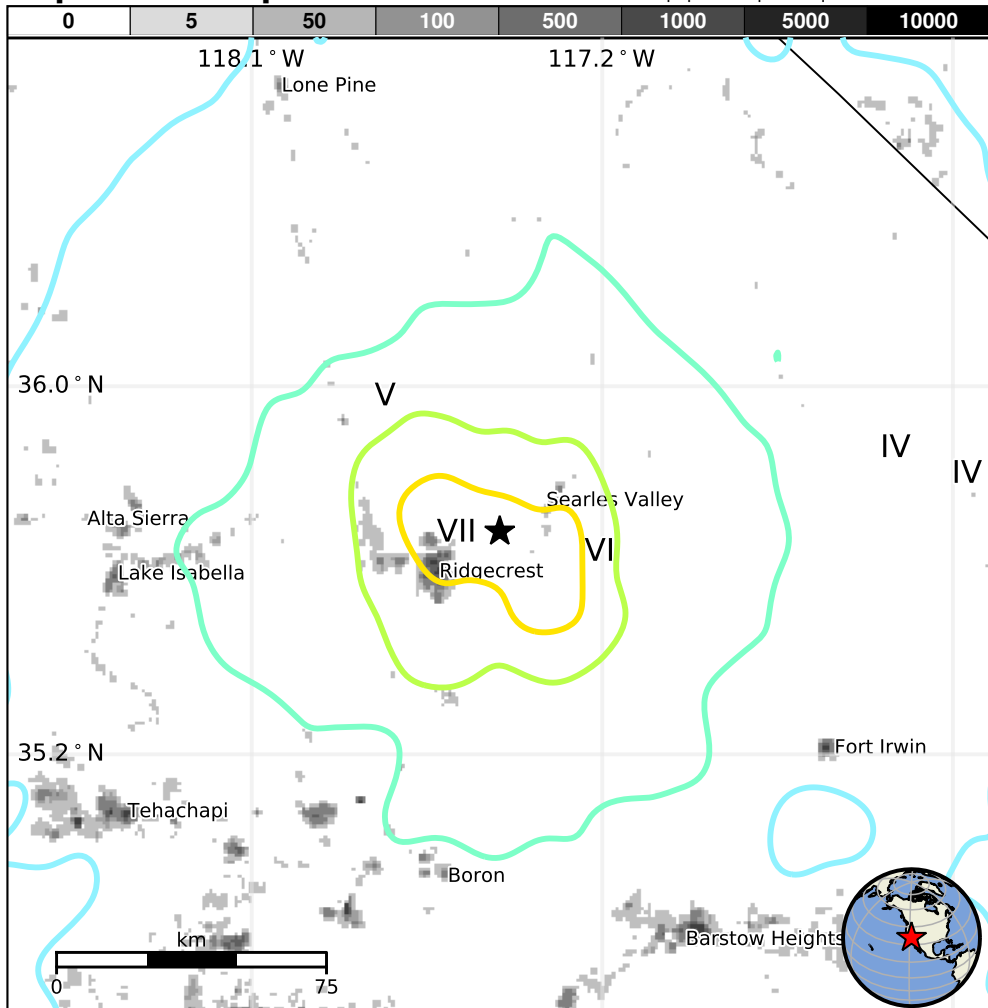
Estimated Economic Losses

USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	173k*	248k*	4k	12k	34k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		**I**	**II-III**	**IV**	**V**	**VI**	**VII**	**VIII**	**IX**	**X+**
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

0	5	50	100	500	1000	5000	10000

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1991-06-28	169	5.6	VI(1,267k)	1
1992-06-28	191	7.3	VIII(23k)	1
1971-02-09	165	6.6	IX(21k)	65

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	**Ridgecrest**	**28k**
VI	China Lake Acres	2k
VI	**Searles Valley**	**2k**
VI	Inyokern	1k
V	Weldon	3k
IV	North Edwards	1k
IV	Barstow	23k
IV	Rosamond	18k
IV	**Barstow Heights**	**24k**
IV	Arvin	19k
III	Lamont	15k

bold cities appear on map. (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/ci38443183#pager

Event ID: ci38443183